

FORM PTO-1449 O'SHEA, GETZ & KOSAKOWSKI  
 (Rev. 5/92) 1500 Main Street, Springfield, MA 01115  
 Telephone: (413) 731-3100

**INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT**

ATTORNEY DOCKET NO. 3000-97

SERIAL NO. 10/090,277

APPLICANT: Fleischer et al.

GROUP: 1743

FILING DATE: March 2, 2002

EXAMINER: Samuel Siefke

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	4,023,549	5/1997	Hewitt			
	B	4,151,060	4/1979	Isenberg			
	C	4,354,308	10/1982	Shimada et al.			
	D	4,633,704	1/6/1987	Tantram et al.			
	E	4,792,433	12/20/1988	Katsura et al.			
	F	5,635,628	6/3/1997	Fleischer et al.			

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	G	DE 4103550	0/27/1993	Germany			
	H	DE 4239319	8/8/1993	Germany			

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
	I	Kienle et al., "Acticated Charcoal and its Industrial Application," Stuttgart : Enke, ISBN 3-432-90881-4, Pages 126 and 162-163, 1980.
	J	Müller et al., "Adsorber for a Low Solvent Load," Intelligent Exhaust Air Cleaning Using Electric Current, Verfahrenstechnik, Vol. 37, No. 9, Pages 30-31, 2003.
	K	CCI Charcoal International : Activated Charcoal Textiles Given Uniform Brand Name of Zorflex, MaschinenMarkt, 2004, No. 17, Page 89

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	A	5,879,527	2/9/1999	Kieselev et al.			
	B	6,041,643	3/2000	Stokes et al.			
	C	6,454,834	9/24/2002	Livingstone et al.			
	D	6,566,894	5/2003	Rump			
	E	6,935,158	8/30/2005	Serina et al.			
	F	2002/0092974	7/18/2002	Kouznetsov			
	G	2004/0112764	6/17/2004	Stokes et al.			
	H	2004/0133116	7/2004	Abraham-Fuchs et al.			

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	NO
	I	DE 4333875	4/6/1995	Germany				
	J	DE 10243947	4/8/2004	Germany				
	K	DE 10331557	5/26/1997	Germany				
	L	DE 10613374	10/9/1997	Germany				

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EXAMINER INITIAL		
	M	Leu et al., "Evaluation of gas mixtures with different sensitive layers incorporated in hybrid FET structures," Sensors and Actuators B, Elsevier Sequoia, Vol. 18-19, 1994, Pages 678-681.
	N	Wöllensteiner et al., "Cobalt oxide based gas sensors on silicon substrate for operation at low temperatures," Sensors and Actuators B: Chemical, Elsevier Sequoia, Vol. 93, No. 1-3, August 2003, Pages 442-448.
	O	Gergintschew et al., "The capacitively controlled field effect transistor (CCFET) as a new low power gas sensor," Sensors and Actuators B: Chemical, Elsevier Sequoia, Vol. 36, No. 1, October 1996, Pages 285-289.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	2005/0035808	02/17/2005	Frerichs			

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	B	DE 197 08 770	08/27/1998	Germany			
	C	EP 0 947 829	10/6/1999	Europe			
	D	EP 0952447	4/23/1998	Europe			
	E	EP 1 059 528	5/30/2000	Europe			
	F	EP 1104884	11/7/2000	Europe			
	G	EP 1103809	5/3/2001	Europe			
	H	EP 1 176 418	1/30/2002	Europe			
	I	JP 03131749	6/5/1991	Japan			
	J	JP 03259736	11/19/1991	Japan			
	K	JP 01059049	3/6/1989	Japan			

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	L	Fleischer et al., "Selective gas detection with high-temperature operated metal oxides using catalytic filters," Sensors and Actuators B, Vol. 69, Pages 205-210, 2000.
	M	Pohle et al., "Realization of a New Sensor Concept: Improved CCFET and SGFET Type Gas Sensors in Hybrid Flip-Chip Technology," Transducers, 12 <sup>th</sup> International Conference on Solid-State Sensors, Actuators and Microsystems, June 2003, Vol. 1, 9, Pages 135-138
	N	Peschke et al., "Optimization of Sputtered SnO <sub>2</sub> Films as Gas-sensitive Layers for Suspended-gate FET's", Sensors and Actuators B, 1991, Pages 157-160, XP-002379749
	O	Lampe et al., "GasFET for the detection of reducing gases", Sensors and Actuators B 111-112, 2005, Pages 106-110
	P	Mizsei et al., "Simultaneous Response of Work Function and Resistivity of some SnO <sub>2</sub> -based Samples to H <sub>2</sub> and H <sub>2</sub> S", Sensors and Actuators B, 4 (1991), Pages 163-168, XP-002379750
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	C						

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	D	WO 9825288	10/13/1998	PCT			
	E	WO 9601992	1/25/1996	PCT			
	F	WO 9841853	9/24/1998	PCT			
	G	WO 03036526	6/19/2003	WIPO			

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	H	Paris et al., "57.5: Low Drift Air-Gap CMOS-FET Gas Sensor," Proceedings of IEEE Sensors, Vol. 1 of 2, Conf. 1, 12 June 2002, pages 421-425, 2002, XP010605129, ISBN: 0-7803-7454-1.
	I	Burgmair et al., "Humidity and temperature compensation in work function gas sensor FETs," Sensors and Actuators B, Elsevier Sequoia S.A., Lausanne, CH, Vol. 93, No. 1-3, pages 271-275, 2003.
	J	Burgmair et al., "Field effect transducers for work function gas measurements : device improvements and comparison of performance," Sensors and Actuators B, Elsevier Sequoia S.A., Lausanne, CH, Vol. 95, No. 1-3, pages 183-188, 2003.
	K	Covington, et al. "Combined smart chemFET/resistive sensor array," Proceedings of the IEEE, Vol. 2., Pgs. 1120-1123, 2003.
	L	Doll et al., "Modular System Composed of Hybrid GasFET Modules," ITG-Technical Report 126: Sensors-Technology and Application, VDE Verlag, Berlin, Germany, 1994, Pages 465-470, XP-000874734
	M	M. Lehmann. "Nanometre Dimensions in Bio and Gas Sensor Technology", MST News, March 2004, Pages 43-47, XP-002379751
	N	

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